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USPAT2, ADISINSIGHT, NLDB, CANCERLIT, PHARMML, ADISNEWS, DISABS,

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L5 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2002:317425 USPATFULL Full-text

TITLE: Nonpeptide substituted benzothiazepines as vasopressin antagonists
INVENTOR(S): Urbanek, Maud J., Belle Mead, NJ, United States
Chen, Robert H. K., Belle Mead, NJ, United States
PATENT ASSIGNEE(S): Ortho-McNeil Pharmaceutical, Inc., Raritan, NJ, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6489321 B1 20021203
APPLICATION INFO.: US 2000-704314 20001102 (9)

NUMBER DATE

PRIORITY INFORMATION: US 1999-163544P 19991104 (60) <--

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Kifile, Bruck

NUMBER OF CLAIMS: 27

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)

LINE COUNT: 1558

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PRAI: US 1999-163544P 19991104 (60)

AB . . . wherein A, X, Z, Bp, W, n, R.sup.1 and R.sup.2 are as described in the specification, which are useful as vasopressin receptor antagonists for treating conditions involving increased vascular resistance and cardiac insufficiency. Pharmaceutical compositions comprising a compound of Formula I and methods. . .

SUMM This invention relates to novel nonpeptide substituted

vasopressin receptor antagonists. More particularly, the compounds of the present invention interrupt the binding of the peptide hormone vasopressin to its receptors and. . .

SUMM . . . receptor in the vasculature, vasopressin V-1 antagonists have reduced blood pressure as a potential treatment for hypertension as well. Thus, vasopressin receptor antagonists could be useful as therapeutics in the conditions of hypertension, congestive heart failure/cardiac insufficiency, coronary vasospasm, cardiac ischemia, liver cirrhosis, . . .

SUMM The compounds of the present invention are vasopressin receptor antagonists useful as aquaretics and, in general, in disease states of vascular resistance.

SUMM . . . of any of the compounds described above for the preparation of a medicament for treating a condition selected from inner ear disorders, hypertension, congestive heart failure, cardiac insufficiency, coronary vasospasm, cardiac ischemia, liver cirrhosis,

renal vasoconstriction, renal failure, cerebral edema and. . .

SUMM The nonpeptide substituted benzodiazepine compounds of the present

invention are vasopressin receptor antagonists, in a preferred embodiment, the compounds are orally active. As demonstrated by the results of the pharmacological studies described hereinafter. . .

CLM What is claimed is:

21. The method of claim 20 wherein said condition is selected from inner ear disorders, hypertension, congested heart failure, cardiac insufficiency, coronary vasospasm, cardiac ischemia, liver cirrhosis, renal vasoconstriction, renal failure, cerebral edema and. . .

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ACCESSION NUMBER: 1999068089 EMBASE Full-text

TITLE: Effects of vasopressin on the sympathetic contraction of rabbit ear artery during cooling.

AUTHOR: Garcia-Villalba A.L.; Padilla J.; Monge L.; Fernandez N.; Sanchez M.A.; Gomez B.; Dieguez G.

CORPORATE SOURCE: G. Dieguez, Departamento de Fisiologia, Facultad de Medicina, Universidad Autonoma, Arzobispo Morcillo 2, 28029 Madrid, Spain. godofredo.dieguez@uam.es

SOURCE: British Journal of Pharmacology, (1999) Vol. 126, No. 3, pp. 785-793.

Refs: 22

ISSN: 0007-1188 CODEN: BJPCBM

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 030 Pharmacology

037 Drug Literature Index

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 19990304

Last Updated on STN: 19990304

TI Effects of vasopressin on the sympathetic contraction of rabbit ear artery during cooling.

SO British Journal of Pharmacology, (1999) Volume 126, Number 3, pp. 785-793.

Refs: 22

ISSN: 0007-1188 CODEN: BJPCBM

AB . . . the vascular contraction to sympathetic nerve stimulation during cooling, the isometric response of isolated, 2-mm segments of the rabbit central ear (cutaneous) artery to electrical field stimulation (1-8 Hz) was recorded at 37 and 30°C. 2. Electrical stimulation (37°C) produced frequency-dependent. . . it did not modify the contraction to noradrenaline (1 μM) at either temperature. 6. These results suggest that in cutaneous (ear) arteries, vasopressin potentiates sympathetic vasoconstriction to a greater extent at 30 than at 37°C by activating vasopressin VI receptors and. . .

CT Medical Descriptors:

*sympathetic tone

*artery constriction

*ear artery

*cooling

rabbit

sympathetic nerve

muscle isometric contraction

electric field

temperature

vascular endothelium

calcium channel

plasma renin activity
pressor response
priority journal
race difference
receptor blocking
vasopressin blood level
vertigo; SI, side effect
*arginpressin: EC, endogenous compound
*vasopressin: EC, endogenous compound
clonidine: AD, drug administration
clonidine: DT, drug therapy
renin: EC, endogenous compound
vasopressin antagonist: . . .

L5 ANSWER 3 OF 5 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
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ACCESSION NUMBER: 97153829 EMBASE Full-text

DOCUMENT NUMBER: 1997153829

TITLE: Role of vasopressin in essential hypertension: Racial differences.

AUTHOR: Bakris G.; Burzynski M.; Gavras I.; Bresnahan M.; Gavras H.

CORPORATE SOURCE: Dr. G. Bakris, Rush Hypertension Center,

Rush-Presbyterian-St Luke's Med Ctr, 1725 W Harrison

Street, Chicago, IL 60612, United States

SOURCE: Journal of Hypertension, (1997) Vol. 15, No. 5,

pp. 545-550.

Refs: 31

ISSN: 0263-6352 CODEN: JOHYD3

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 006 Internal Medicine

017 Public Health, Social Medicine and Epidemiology

018 Cardiovascular Diseases and Cardiovascular Surgery

037 Drug Literature Index

038 Adverse Reactions Titles

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 970612

Last Updated on STN: 970612

SO Journal of Hypertension, (1997) Vol. 15, No. 5, pp. 545-550.

Refs: 31

ISSN: 0263-6352 CODEN: JOHYD3

AB . . . subjects (16 Caucasian, 23 African-American) eating a 200 mmol/day sodium diet were administered a single intravenous dose of a selective vasopressin receptor antagonist and their blood pressure was monitored constantly for the ensuing 3 h. The protocol was repeated 3 days later after. . .

CT Medical Descriptors:

*essential . . . article

clinical protocol

clinical trial

controlled study

female

headache; SI, side effect

human

intravenous drug administration

male

mean arterial pressure

negro

oral drug administration

*arginpressin: PD, pharmacology

*arginpressin: DO, drug dose

vasopressin receptor antagonist: PD, pharmacology

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1991269291 CAPLUS Full-text

DOCUMENT NUMBER: 1991269291

TITLE: The influence of intra-arterial infusion of arginine

vasopressin on cochlear blood flow in the rat.

AUTHOR: McLaren G.M.; Coleman J.K.M.; Quirk W.S.; Dengerink H.A.; Wright J.W.

CORPORATE SOURCE: Department of Psychology, Washington State

University, Pullman, WA 99164-4820, United States

SOURCE: Hearing Research, (1991) Vol. 55, No. 1, pp. 1-8.

ISSN: 0378-5955 CODEN: HERED3

COUNTRY: Netherlands

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 011 Otorhinolaryngology

037 Drug Literature Index

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 911216

Last Updated on STN: 911216

SO Hearing Research, (1991) Vol. 55, No. 1, pp. 1-8.

ISSN: 0378-5955 CODEN: HERED3

AB . . . mediated by the interaction of vasoactive peptides such as AVP and its receptors located in the vasculature of the inner ear or in the more peripheral vessels directly supplying the cochlea.

CT Medical Descriptors:

*blood pressure

*cochlea blood flow

aged

animal experiment

article

controlled study

intraarterial drug administration

laser doppler flowmetry

major clinical study

nonhuman

priority journal

rat

*arginpressin: PD, pharmacology

*arginpressin: DO, drug dose

vasopressin receptor antagonist: PD, pharmacology

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:307414 CAPLUS Full-text

DOCUMENT NUMBER: 130:306609

TITLE: Use of vasopressin antagonists

INVENTOR(S): Zennner, Hans Peter; Ruppertsberg, J.-Peter; Loewenheim, Hubert
 PATENT ASSIGNEE(S): Germany
 SOURCE: Ger. Offen., 12 pp.
 CODEN: GWXXBX

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19748763	A1	19990506	DE 1997-19748763	19971105 <<
CA 2309117	AA	19990520	CA 1998-2309117	19981104 <<
WO 9924051	A2	19990520	WO 1998-EP7033	19981104 <<
WO 9924051	A3	19990701		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
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AU 9917536	A1	19990531	AU 1999-17536	19981104 <<
EP 1028725	A1	20000823	EP 1998-962320	19981104 <<
EP 1028725	B1	20040211		
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			WO 1998-EP7033	W 19981104 <<

PI DE 19748763 A1 19990506

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CA 2309117	AA	19990520	CA 1998-2309117	19981104 <<
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AU 9917536	A1	19990531	AU 1999-17536	19981104 <<
EP 1028725	A1	20000823	EP 1998-962320	19981104 <<
EP 1028725	B1	20040211		
PRAI DE 1997-19748763	A	19971105	<<	

PRAI DE 1997-19748763 A 19971105 <<

AB WO 1998-EP7033 W 19981104 <<
 Vasopressin receptor antagonists, esp. V2 receptor antagonists, are useful for treatment of inner ear disorders associated with vertigo, deafness, and/or tinnitus as in Meniere's disease, evidently by increasing the water permeability of the endolymphatic sac in cases involving endolymphatic hydrops. Thus, 125I-labeled arginine-vasopressin bound to the human endolymphatic sac epithelium, which expressed genes for both V2 receptors and the water channel glycoprotein aquaporin-2. Vasopressin caused endolymphatic hydrops in guinea pigs, as indicated by displacement of Reissner's membrane. Administration of the peptide V2 receptor antagonist, H-9400, to cultured rat endolymphatic sac epithelium reversed the vasopressin-induced inhibition of membrane turnover (endocytosis) in ribosome-rich cells of the epithelium, which correlated pos. with water transport through the membrane.

ST vasopressin antagonist inner ear disorder; endolymphatic sac vasopressin V2 receptor antagonist; water transport endolymphatic sac vasopressin; vertigo vasopressin V2 receptor antagonist; deafness vasopressin V2 receptor antagonist; tinnitus vasopressin receptors

IT RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
 (V2; use of vasopressin antagonists to treat inner ear disorders)

IT Porins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (aquaporin-2, expression of gene for, in endolymphatic sac, vasopressin effect on; use of vasopressin antagonists to treat inner ear disorders)

IT Endocytosis
 (by endolymphatic sac, vasopressin effect on; use of vasopressin antagonists to treat inner ear disorders)

IT Toxins
 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (cholera, endocytosis by endolymphatic sac inhibition by; use of vasopressin antagonists to treat inner ear disorders)

IT Organelle
 (coated pit, of endolymphatic sac, vasopressin effect on; use of vasopressin antagonists to treat inner ear disorders)

IT Edema
 (dropsey, endolymphatic; use of vasopressin antagonists to treat inner ear disorders)

IT Ear
 (endolymph, hydrops; use of vasopressin antagonists to treat inner ear disorders)

IT Genes
 (expression, of aquaporin-2 and vasopressin V2 receptor genes in endolymphatic sac; use of vasopressin antagonists to treat inner ear disorders)

IT Ear
 (inner, diseases; use of vasopressin antagonists to treat inner ear disorders)

IT Hearing
 (loss; use of vasopressin antagonists to treat inner ear disorders)

IT Ear
 (tinnitus; use of vasopressin antagonists to treat inner ear disorders)

IT Dizziness
 (use of vasopressin antagonists to treat inner ear disorders)

IT Peptides, biological studies

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(vasopressin receptor antagonists; use of vasopressin antagonists to treat inner ear disorders)

IT 11000-17-2, Vasopressin
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (antagonists; use of vasopressin antagonists to treat inner ear disorders)

IT 113-79-1, Arginine-vasopressin
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
 (binding to receptors in endolymphatic sac; use of vasopressin antagonists to treat inner ear disorders)

IT 66575-29-9, Forskolin
 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (endocytosis by endolymphatic sac inhibition by; use of vasopressin antagonists to treat inner ear disorders)

IT 112465-01-7 137975-06-5, OPC 31260 185913-79-5, SR 121463A
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(vasopressin receptor antagonist; use of vasopressin antagonists to treat inner ear disorders)

IT 120-72-9D, Indole, derivs. 264-54-0D, 1H-1-Benzepine, derivs.
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(vasopressin receptor antagonists; use of vasopressin antagonists to treat inner ear disorders)

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 67 FILE USPATFULL
 8 FILE USPAT2
 L1 QUE VASOPRESSIN RECEPTOR ANTAGONIST

 INDEX 'EMBASE, CAPLUS, BIOSIS, SCISEARCH, MEDLINE, ESBIOBASE, PASCAL, TOXCENTR, USPATFULL, DRUGU, BIOTECHNO, DDFU, LIFESCI, IFIPAT, JICST-EPLUS, ADISICTI, USPAT1, ADISINSIGHT, NDB, CANCERLIT, PHARMAML, ADISNEWS, DISSABS, IMSDRUGNEWS, IPA, PHIN, EMBAL' ENTERED AT 13:24:16 ON 13 JUN 2005

SEA L1 AND (EAR OR VERTIGO OR TINNITUS OR HYDROPS)

 6 FILE EMBASE
 3 FILE CAPLUS
 1 FILE TOXCENTR
 13 FILE USPATFULL
 3 FILE IFIPAT
 3 FILE USPAT2

L2 QUE L1 AND (EAR OR VERTIGO OR TINNITUS OR HYDROPS)

FILE 'USPATFULL, EMBASE, CAPLUS, IFIPAT, USPAT2, TOXCENTR' ENTERED AT 13:25:42 ON 13 JUN 2005

L3 28 L2
 L4 20 DUP REM L3 (8 DUPLICATES REMOVED)

L5 5 L4 AND (PD<20000703 OR PRD>20000703)

-->

--Logging off of STN--

--> Executing the logoff script...

--> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	37.50	40.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptal653adk

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR 7):2

***** Welcome to STN International *****

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
 (ROSPATENT) added to list of core patent offices covered
 NEWS 4 FEB 28 PATDPAPULL - New display fields provide for legal status
 data from INPADOC
 NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
 NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
 NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
 NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
 NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
 NEWS 10 MAR 22 KOREPAT now updated monthly; patent information enhanced
 NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
 NEWS 12 MAR 22 PATDPAPASC - New patent database available
 NEWS 13 MAR 22 RBOISTRY/ZREGISTRY enhanced with experimental property tags
 EPFULL enhanced with additional patent information and new
 fields
 NEWS 15 APR 04 EMBASE - Database released and enhanced
 NEWS 16 APR 18 New CAS Information Use Policies available online
 NEWS 17 APR 25 Patent searching, including current-awareness alerts (SDIs),
 based on application date in CA/Caplus and USPATFULL/USPAT2
 may be affected by a change in filing date for U.S.
 applications.
 NEWS 18 APR 28 Improved searching of U.S. Patent Classifications for
 U.S. patent records in CA/Caplus
 NEWS 19 MAY 23 GBFULL enhanced with patent drawing images
 NEWS 20 MAY 23 REGISTRY has been enhanced with source information from
 CHEMCATS
 NEWS 21 MAY 26 STN User Update to be held June 6 and June 7 at the SLA 2005
 Annual Conference
 NEWS 22 JUN 06 STN Patent Forums to be held in June 2005
 NEWS 23 JUN 06 The Analysis Edition of STN Express with Discover!
 (Version 8.0 for Windows) now available
 NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.0.01, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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 NEWS INTER General Internet Information

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Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 13:45:13 ON 13 JUN 2005

=> FIL REGISTRY
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 13:45:23 ON 13 JUN 2005
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the .ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 12 JUN 2005 HIGHEST RN 852100-26-6
 DICTIONARY FILE UPDATES: 12 JUN 2005 HIGHEST RN 852100-26-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/regstryss.html>

=>
 Uploading H:\STN queries\09530693.str

20 21 22 23 24 25 31 32 33 34 35 36 37 65 66 67 68 69
 ring/chain nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 26 27 28 29
 30 35 38 39 40 41 42 43 45 46 47 48 49 50 51 52 53 54 55 56
 57 58 59 60 61 62 63 64 70 71 72 73 74 75 76 77 78 79 80
 ring/chain bonds :
 1-3 1-8 1-76 2-3 2-9 3-4 4-5 5-6 5-7 9-11 9-15 10-11 10-16 11-12 12-
 13 12-14 16-18 16-26 17-18 17-27 18-19 19-20 27-29 27-38 28-29 28-39
 28-77 29-30 30-31 34-35 39-40 41-43 41-51 41-52 42-43 42-53 43-44 44-45
 45-46 46-47 47-48 48-49 48-50 53-55 53-63 54-55 54-64 55-56 56-57 57-58
 58-59 59-60 60-61 60-62 64-66 64-70 65-71 71-72 71-75 72-73 72-76 73-74
 77-78 77-79 79-80
 ring bonds :
 20-21 20-25 21-22 22-23 23-24 24-25 31-32 31-37 32-33 33-34 34-36 36-37
 65-66 65-69 66-67 67-68 68-69
 exact/norm bonds :
 1-3 3-4 4-5 9-11 10-16 11-12 12-13 12-14 16-18 17-27 18-19 19-20 27-29
 28-77 29-30 30-31 39-40 41-43 42-53 43-44 44-45 45-46 53-55 54-64 55-56
 56-57 57-58 64-66 66-67 71-72 72-73 73-74 77-79 79-80
 exact bonds :
 1-8 1-76 2-3 2-9 5-6 5-7 9-15 10-11 16-26 17-18 27-38 28-29 28-39 34-
 35 41-51 41-52 42-43 46-47 47-48 48-49 48-50 53-63 54-55 58-59 59-60
 60-61 60-62 64-70 65-66 65-71 67-68 68-69 71-75 72-76 77-78
 normalized bonds :
 20-21 20-25 21-22 22-23 23-24 24-25 31-32 31-37 32-33 33-34 34-36 36-37

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
 18:CLASS 19:CLASS 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS
 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:Atom 32:Atom 33:Atom 34:Atom
 35:CLASS 36:Atom 37:Atom 38:Atom 39:CLASS 40:CLASS 41:CLASS 42:CLASS
 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:CLASS
 51:CLASS 52:CLASS 53:CLASS 54:CLASS 55:CLASS 56:CLASS 57:CLASS 58:CLASS
 59:CLASS 60:CLASS 61:CLASS 62:CLASS 63:CLASS 64:CLASS 65:Atom 66:Atom
 67:Atom 68:Atom 69:Atom 70:CLASS 71:CLASS 72:CLASS 73:CLASS 74:CLASS
 75:CLASS 76:CLASS 77:CLASS 78:CLASS 79:CLASS 80:CLASS

L1 STRUCTURE UPLOADED

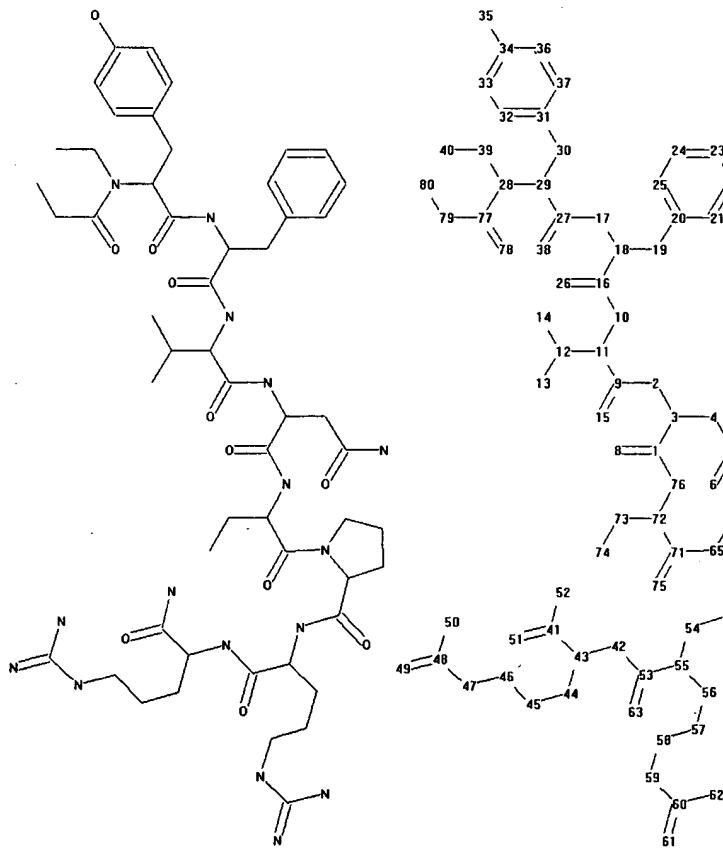
=> s 11 em
 SAMPLE SEARCH INITIATED 13:45:48 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1734 TO ITERATE

57.7% PROCESSED 1000 ITERATIONS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETS**
 BATCH **COMPLETS**
 PROJECTED ITERATIONS: 32183 TO 37177
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

>> s 11 ful



FULL SEARCH INITIATED 13:45:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 33882 TO ITERATE

100.0% PROCESSED 33882 ITERATIONS

0 ANSWERS

L3 0 SEA SSS FUL L1

=> Uploading H:\STN queries\09530693a.str

20 21 22 23 24 25 31 32 33 34 36 37 63 64 65 66 67
ring/chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 26 27 28 29
30 35 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56
57 58 59 60 61 62 68 69 70 71 72 73 74
ring/chain bonds :
1-3 1-8 1-74 2-3 2-9 3-4 4-5 5-6 5-7 9-11 9-15 10-11 10-16 11-12 12-
13 12-14 16-18 16-26 17-18 17-27 18-19 19-20 27-29 27-38 28-29 29-30
30-31 34-35 39-41 39-49 39-50 40-41 40-51 41-42 42-43 43-44 44-45 45-46
46-47 46-48 51-53 51-61 52-53 52-62 53-54 54-55 55-56 56-57 57-58 58-59
58-60 62-64 62-68 63-69 69-70 69-73 70-71 70-74 71-72
ring bonds :
20-21 20-25 21-22 22-23 23-24 24-25 31-32 31-37 32-33 33-34 34-36 36-37
63-64 63-67 64-65 65-66 66-67
exact/norm bonds :
1-3 3-4 4-5 9-11 10-16 11-12 12-13 12-14 16-18 17-27 18-19 19-20 27-29
29-30 30-31 39-41 40-51 41-42 42-43 43-44 51-53 52-62 53-54 54-55 55-56
62-64 64-65 69-70 70-71 71-72
exact bonds :
1-8 1-74 2-3 2-9 5-6 5-7 9-15 10-11 16-26 17-18 27-38 28-29 34-35 39-
49 39-50 40-41 44-45 45-46 46-47 46-48 51-61 52-53 56-57 57-58 58-59
58-60 62-64 63-67 63-69 65-66 66-67 69-73 70-74
normalized bonds :
20-21 20-25 21-22 22-23 23-24 24-25 31-32 31-37 32-33 33-34 34-36 36-37

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:Atom 32:Atom 33:Atom 34:Atom
35:CLASS 36:Atom 37:Atom 38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS
43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:CLASS
51:CLASS 52:CLASS 53:CLASS 54:CLASS 55:CLASS 56:CLASS 57:CLASS 58:CLASS
59:CLASS 60:CLASS 61:CLASS 62:CLASS 63:Atom 64:Atom 65:Atom 66:Atom 67:Atom
68:CLASS 69:CLASS 70:CLASS 71:CLASS 72:CLASS 73:CLASS 74:CLASS

L4 STRUCTURE UPLOADED

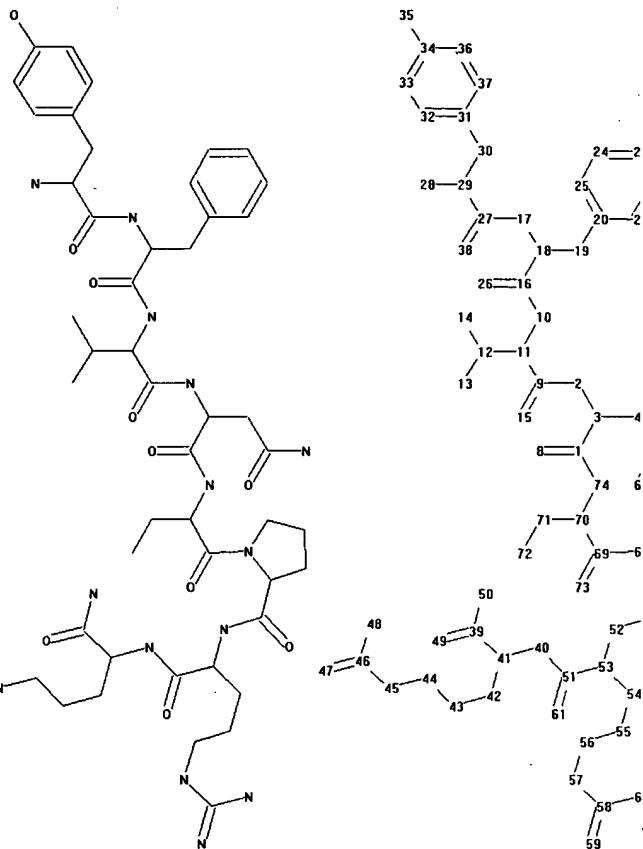
=> s 14 sam
SAMPLE SEARCH INITIATED 13:46:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6837 TO ITERATE

14.6% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 131783 TO 141697
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 ful
FULL SEARCH INITIATED 13:47:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 137293 TO ITERATE



ring nodes :

100.0% PROCESSED 137293 ITERATIONS
SEARCH TIME: 00.00.03

0 ANSWERS

L6 0 SEA SSS FUL L4

=> log y
COST IN U.S. DOLLARS
SINCE FILE ENTRY TOTAL
FULL ESTIMATED COST 323.09 SESSION 323.30

STN INTERNATIONAL LOGOFF AT 13:47:07 ON 13 JUN 2005